

```
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AAAAAA MM MM PPPPPPPP LL EEEEEEEEEE SSSSSSSS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
EE XX XX AA AA MMMM MMMM PP PP LL EE SS
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EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
EEEEEEEEEE XX XX AA AA MM MM PP LLLLLLLLLL EEEEEEEEE SSSSSSSS
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MM      MM      AAAAAA      IIIIII      LL      UU      UU      AAAAAA      FFFFFFFF
MM      MM      AAAAAA      IIIIII      LL      UU      UU      AAAAAA      FFFFFFFF
MMM     MMM     AA      AA      II      UU      UU      AA      AA      FF
MMM     MMM     AA      AA      II      UU      UU      AA      AA      FF
MM      MM      AA      AA      II      UU      UU      AA      AA      FF
MM      MM      AA      AA      II      UU      UU      AA      AA      FF
MM      MM      AA      AA      II      UU      UU      AA      AA      FFFFFFFF
MM      MM      AA      AA      II      UU      UU      AA      AA      FFFFFFFF
MM      MM      AAAAAAAAAA      II      LL      UU      UU      AAAAAAAAAA      FF
MM      MM      AAAAAAAAAA      II      LL      UU      UU      AAAAAAAAAA      FF
MM      MM      AA      AA      II      LL      UU      UU      AA      AA      FF
MM      MM      AA      AA      II      LL      UU      UU      AA      AA      FF
MM      MM      AA      AA      IIIIII      LLLLLLLLLL      UUUUUUUUUU      AA      AA      FF
MM      MM      AA      AA      IIIIII      LLLLLLLLLL      UUUUUUUUUU      AA      AA      FF
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CCCCCCCC      000000      MM      MM
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CC      CC      00      00      MMM     MMM
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```
$ **
$ MAILUAF.COM - Modify SYSSYSTEM:VMSMAIL.DAT
$
$ ABSTRACT: Sample command procedure to modify
$            SYSSYSTEM:VMSMAIL.DAT
$
$            This command procedure will prompt
$            the user for a command. The valid
$            commands are:
$
$            ADD username      - Add a new user to SYSSYSTEM:VMSMAIL.DAT
$            CANCEL username  - Cancel mail forwarding for username
$            EXIT              - Exit from this procedure
$            HELP              - Type help message
$            MODIFY username  - Modify mail forwarding address for username
$            REMOVE username  - Remove username from SYSSYSTEM:VMSMAIL.DAT
$            SHOW username    - Display mail information about username
$            LIST              - List forwarding addresses for all users
$
$ REQUIRED PRIVILEGES:
$            BYPASS
$
$ IMPLICIT OUTPUT:
$            SYSSYSTEM:VMSMAIL.DAT will be created if it does
$            not exist.
$
$ --
$ if = "IF"
$ inquire = "INQUIRE"
$ open = "OPEN"
$ goto = "GOTO"
$ write = "WRITE"
$ create = "CREATE"
$ type = "TYPE"
$ read = "READ"
$ close = "CLOSE"
$ exit = "EXIT"
$ ask = "inquire/nopunctuation"
$ prev_priv = f$setprv("SYSPRV")
$ sysmai = "SYSSYSTEM:VMSMAIL.DAT"
$ open /share=write /read /write /error=no_file f1 'sysmai'
$ goto file_open
$no_file:
$ write sys$output sysmai," not found...creating new file"
$ create /fdl=sys$input 'sysmai' !Create new VMSMAIL.DAT
IDENT VMS MAIL Information data file
$
$ FILE
$
$ ALLOCATION 10
$ BEST_TRY_CONTIGUOUS yes
$ BUCKET_SIZE 2
```

CONTIGUOUS	no
EXTENSION	10
GLOBAL_BUFFER_COUNT	0
ORGANIZATION	indexed
OWNER	[001,004]
PROTECTION	(system:RWE, owner:RWE, group:, world:)

RECORD

BLOCK_SPAN	yes
CARRIAGE_CONTROL	none
FORMAT	variable
SIZE	0

AREA 0

ALLOCATION	10
BEST_TRY_CONTIGUOUS	yes
BUCKET_SIZE	2
CONTIGUOUS	no
EXTENSION	10

KEY 0

CHANGES	no
DATA_KEY_COMPRESSION	yes
DATA_RECORD_COMPRESSION	yes
DATA_AREA	0
DATA_FILL	100
DUPLICATES	no
INDEX_AREA	0
INDEX_COMPRESSION	yes
INDEX_FILL	100
LEVELT_INDEX_AREA	0
NULL_KEY	no
PROLOGUE	3
SEGO_LENGTH	31
SEGO_POSITION	0
TYPE	string

```
$ open /share=read /read /write fl 'sysmai'
```

```
$file_open:
```

```
$ on control_y then goto done
```

```
$ Main loop. Get command and username then dispatch
```

```
$do_command:
```

```
$ ask line 'MAILUAF> '
```

```
$ line:='line'
```

```
$ if line .eqs. '' then goto done
```

```
$ t1 = f$locate(' ',line)
```

```
$ command = f$extract(0,t1,line)
```

```
$ user = f$extract(t1+1,31,line)
```

```
$ if f$locate(command,'HELP') .eq. 0 then goto help_user
```

```
$ if f$locate(command,'EXIT') .eq. 0 then goto done
```

```
$ if f$locate(command,'LIST') .eq. 0 then goto list_users
```

```
$ if user .eqs. '' then goto syntaxerr
```

```
$ fulluser[0,31]='user'
```

```
$ if f$locate(command,'ADD') .eq. 0 then goto add_user
```

```
$ if f$locate(command,'CANCEL') .eq. 0 then goto cancel_user
```



```

$ if f$locate(command,'MODIFY') .eq. 0 then goto modify_user
$ if f$locate(command,'REMOVE') .eq. 0 then goto remove_user
$ if f$locate(command,'SHOW') .eq. 0 then goto show_user

```

```
$help_user:
```

```
$ type sys$input:
```

ADD username	Add a new user
CANCEL username	Cancel forwarding for a user
EXIT	Exit from MAILUAF
HELP	Type this
MODIFY username	Modify forwarding address for a user
REMOVE username	Remove a user completely
SHOW username	Show MAIL information about user
LIST	List forwarding addresses for all users in VMSMAIL.DAT

```
$ goto do_command
```

```
$add_user:
```

```
$ read /index=0 /err=add_10 /key="" fulluser"" f1 record
```

```
$ write sys$output "User ",user," record already exists"
```

```
$ goto do_command
```

```
$add_10:
```

```
$ s1 = "" record""
```

```
$ if f$length(s1) .ne. 0 then $ delete/symbol record
```

```
$ record[0,31] := 'user'
```

```
$ record[248,288] = 0
```

```
$ ask address "Forwarding address? "
```

```
$ t1 = f$length(address)
```

```
$ record[536,8] = 't1'
```

```
$ record[68,'t1'] := 'address'
```

```
$ write f1 record
```

```
$ write sys$output "User ",user," added"
```

```
$ goto do_command
```

```
$cancel_user:
```

```
$ read /index=0 /err=nosuchuser/key="" fulluser"" f1 record
```

```
$ address = f$extract(68,255,record)
```

```
$ addr_length = f$cvui(67*8,8,record)
```

```
$ address := 'address'
```

```
$ naddress = f$extract(0,addr_length,address)
```

```
$ t2 = f$length(address)
```

```
$ t2 = 't2' - 'addr_length'
```

```
$ if addr_length .eq. 0 then goto show_10
```

```
$ write sys$output "User ",user," forwarding address is ",naddress
```

```
$ ask yn "Cancel mail forwarding? "
```

```
$ if .not. yn then goto do_command
```

```
$ record[536,8] = 0
```

```
$ record[68,255] := "" f$extract(68+addr_length,255-addr_length,record)""
```

```
$ record = f$extract(0,68+'t2',record)
```

```
$ write /update f1 record
```

```
$ goto do_command
```

```
$list_users:
```

```
$ close f1
```

```
$ open /share=write,/read /write f1 'sysmai'
```

```
$ write sys$output
```

```
$ write sys$output "Username
```

```
$ write sys$output "-----"
```

```
Forwarding address:"
-----"
```

```
$list_10:
```

```
$ read /end=do_command f1 record
$ user = f$extract(0,31,record)
$ addr_length = f$cvui(67*8,8,record)
$ address = f$extract(68,255,record)
$ address := 'address'
$ address = f$extract(0,addr_length,address)
$ write sys$output user,"",address
$ goto list_10
$ goto do_command
$modify user:
$ read 7index=0 /err=nosuchuser /key=""fulluser"" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ naddress = f$extract(0,addr_length,address)
$ t2 = f$length(address)
$ if addr_length .ne. 0 then goto xx1
$ write sys$output "User ",user," does not have forwarding enabled"
$ goto xx2
$xx1:
$ write sys$output "Current forwarding address is ",naddress
$xx2:
$ ask naddress "New forwarding address? "
$ if naddress .eqs. "" then goto do_command
$ address = f$extract(addr_length,t2-addr_length,address)
$ t1 = f$length(naddress)
$ record[536,8]=t1
$ record[68,255]:=""naddress""address""
$ record = f$extract(0,68+t1+t2,record)
$ write /update f1 record
$ write sys$output "User ",user," modified"
$ goto do_command
$nosuchuser:
$ write sys$output "User ",user," record does not exist"
$ goto do_command
$remove user:
$ read 7index=0 /err=nosuchuser/key=""fulluser"" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ address := 'address'
$ if addr_length .eq. 0 then goto xx0
$ address = f$extract(0,addr_length,address)
$ write sys$output "User ",user," forwarding address is ",address
$ goto xx9
$xx0:
$ write sys$output "User ",user," does not have forwarding enabled"
$xx9:
$ ask yn "Remove? "
$ if .not. yn then goto do_command
$ read /index=0/key=""fulluser"" /delete f1 record
$ goto do_command
$show user:
$ read /index=0 /err=nosuchuser /key=""fulluser"" f1 record
$ address = f$extract(68,255,record)
$ addr_length = f$cvui(67*8,8,record)
$ fnmlng=f$cvui(66*8,8,record)
$ dirlng=f$cvui(65*8,8,record)
```

```
$ address := 'address'
$ full_name := ""f$extract(68+addr_length,fnlng,record)""
$ dir_spec = f$extract(addr_length+fnlng,dirlng,address)
$ if dirlng .eq. 0 then goto no_dir
$ write sys$output "User ",user," MAIL subdirectory is ",dir_spec
$ goto test_full_name
$no_dir:
$ write sys$output "User ",user," did not specify a MAIL subdirectory"
$test_full_name:
$ if fnlng .eq. 0 then goto no_pers_name
$ write sys$output "User ",user," MAIL personal name is ",full_name
$ goto check_forward
$no_pers_name:
$ write sys$output "User ",user," does not have a MAIL personal name."
$check_forward:
$ if addr_length .eq. 0 then goto show_10
$ address = f$extract(0,addr_length,address)
$ write sys$output "User ",user," forwarding address is ",address
$ goto do_command
$show_10:
$ write sys$output "User ",user," does not have forwarding enabled"
$ goto do_command
$syntaxerr:
$ write sys$output "Command syntax error"
$ goto do_command
$done:
$ close f1
$ prev_priv = f$setprv(prev_priv)
$ exit
```


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